

CAMTOHEM1


CHEMICALS INC.
 GENERAL OFFICES, RAHWAY, NEW JERSEY 07065

EMERGENCY PHONE NUMBERS

 During Office Hours,
 8:30 A.M. - 4:30 P.M.

Call (201) 499-2401

After Hours

Call (201) 499-2445

Material Safety Data Sheet

DPM 1171-1

(Approved by U.S. Department of Labor Essentially Similar to Form LSBS-00S-4)

8-83

(supercedes 5-83)

 CHEMICAL NAME: N/A

 SYNONYMS: N/A

 CHEMICAL FAMILY: Plating Chemical

 FORMULA: Proprietary

CODE: _____

 TRADENAME AND SYNONYMS: Silver-Lume B Brightener

I. INGREDIENTS

| MATERIAL | CAS No. | % | TLV (Units) |
|--------------------------------|---------|-----|-------------|
| an aqueous solution containing | | | |
| a water soluble oil | | <40 | |
| | | | |
| | | | |

II. PHYSICAL DATA

| | | | |
|---|----------------------------|--|----------|
| BOILING POINT, 760 mm. Hg | N/A | FREEZING POINT | N/A |
| SPECIFIC GRAVITY (H ₂ O = 1) | 1.01 | VAPOR PRESSURE at 20°C. | N/A |
| VAPOR DENSITY (air = 1) | N/A | SOLUBILITY IN WATER, % by wt. at 20°C. | complete |
| PER CENT VOLATILES BY VOLUME | N/A | EVAPORATION RATE (Butyl Acetate = 1) | N/A |
| APPEARANCE AND ODOR | clear, light yellow liquid | MOLECULAR WEIGHT | N/A |

III. FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|--------------------------------------|---|--------------------------|-----------|--|
| FLASH POINT (test method) | N/A | AUTOIGNITION TEMPERATURE | N/A | |
| FLAMMABLE LIMITS IN AIR, % by volume | LOWER N/A | | UPPER N/A | |
| EXTINGUISHING MEDIA | <input type="checkbox"/> Water Spray <input checked="" type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Other <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Dry Chemical | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | <input checked="" type="checkbox"/> Avoid Eye and Skin Contact <input type="checkbox"/> Do Not Breathe Fumes <input checked="" type="checkbox"/> Other Do not inhale vapors from solution. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Irritating vapors may develop when product is heated. | | | |

The information set forth herein has been gathered from standard reference materials and/or M&T Chemicals Inc. test data and is, to the best knowledge and belief of M&T Chemicals Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and is not suggested for use without independent testing or verification. M&T Chemicals Inc. makes no warranty, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefor.

IV. HEALTH HAZARD DATA

| | | | |
|--|---|---|--|
| RECOMMENDED EXPOSURE LIMIT | N/A | | |
| EFFECTS OF OVEREXPOSURE | Dermal contact with alkaline/cyanide Silverlume solution may cause severe eye and skin injury. Use rubber gloves and eye protection when preparing Silverlume Process solution. | | |
| In case of eye contact, GET MEDICAL ATTENTION! EMERGENCY AND FIRST AID PROCEDURES | Flush with flowing water at least 15 minutes | Skin- Flush with flowing water for 15 minutes, then wash area with mild soap and water. Call a physician. Inhalation- Move exposed individual to fresh air. Call a physician. | Never give fluids or induce vomiting if patient is unconscious or having convulsions |

V. REACTIVITY DATA

| | | | |
|--------------------------------------|---------------------|--|-----|
| STABILITY | | CONDITIONS TO AVOID | N/A |
| UNSTABLE | STABLE X | | |
| INCOMPATIBILITY (Materials to avoid) | N/A | <input type="checkbox"/> Water <input type="checkbox"/> Acids <input type="checkbox"/> Bases <input type="checkbox"/> Oxidizers <input type="checkbox"/> Reducers <input type="checkbox"/> Other | |
| HAZARDOUS DECOMPOSITION PRODUCTS | | N/A | |
| HAZARDOUS POLYMERIZATION | | CONDITIONS TO AVOID | N/A |
| May Occur | Will Not Occur X | | |

VI. SPILL OR LEAK PROCEDURES

| | |
|--|--|
| ENVIRONMENTAL IMPACT IF RELEASED OR SPILLED CORRECTIVE ACTION TO BE TAKEN | May be hazardous to aquatic life if released to open waters. Cover spill with absorbant material. Transfer to a suitable container for disposal. Small amounts may be flushed to drain with large amounts of water. |
| WASTE DISPOSAL METHOD | Dispose of absorbant material as solid waste. Small amounts may be flushed to sewer using large amounts of water. Follow All Chemical Pollution Control Regulations. |

VII. SPECIAL PROTECTION INFORMATION

| | | | |
|---|----------------------|--|---|
| RESPIRATORY PROTECTION (Specify type) | | <input checked="" type="checkbox"/> Not normally required <input type="checkbox"/> Other Use NIOSH approved respirator if ventilation is inadequate. | |
| VENTILATION | LOCAL EXHAUST | recommended | SPECIAL |
| | MECHANICAL (general) | Required | OTHER |
| PROTECTIVE GLOVES <input checked="" type="checkbox"/> | | EYE PROTECTION | <input type="checkbox"/> Not normally necessary <input checked="" type="checkbox"/> Chemical workers goggles <input type="checkbox"/> Other |
| OTHER PROTECTIVE EQUIPMENT Eye wash & shower. | | | |

VIII. SPECIAL PRECAUTIONS

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|---|--|
| PRECAUTIONARY LABELING No DOT label required. | Caution! May cause irritation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. First Aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Launder contaminated clothing before re-use. |
| OTHER PRECAUTIONS For Use Only With Silver-Lume Process. For Industrial Use Only. Read Technical Data Bulletin about this product prior to use. | |
| OTHER HANDLING AND STORAGE CONDITIONS Normal warehouse handling and storage. | |